

Product datasheet for MR227511

Bbc3 (NM_133234) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bbc3 (NM_133234) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Bbc3
Synonyms: PUMA; PUMA/JFY1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR227511 representing NM_133234
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCCGCACGCCAGGAGGGCAGCTCTCCGGAGCCCGTAGAGGGTCTAGCCCCGCACAGTCCGCGCC
CCTTCCCCTCGGCCGCTGATGCCCTCCGCTGTATCCTGCAGCCTTTGCGAGCCCGCCGCCCCGCGC
CCCTGTGCCCTGCCTTGCTGCCGGCCGCTACCTCTGCAGCCACCCTCCACCTGCCGTACCGCC
GCCCTGGGGGGCCCCGCTGGCCTGGGGGTCACCGCAGCCGCCAGAGGCCCGCCCGGACGGTCTCT
AGCCCTCCCTGTACCAGCCAGCAGCACTTAGAGTCGCCGTGCCAGGCCCGGAGGCCCTGGCAGG
AGGCCCCACCAAGCTGCCCGGAGTGCCTGTGGAGGAGGAGTGGGCCCGGAGATCGGGGCCAG
CTGCGGGGATGGCGGACGACCTCAACGCGCAGTACGAGCGCGGAGACAAGAAGAGCAGCATCGACCC
GACCCTCACCTGGAGGGTCATGTAACAATCTTTCATGGGACTCTCCCTTACCAGGGATCCTGGAGC
CCAGAAATGGAGCCCAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227511 representing NM_133234
 Red=Cloning site Green=Tags(s)

MARARQEGSSPEPVEGLARSPRPFPLGRLMPSAVSCSLCEPGLPAAPAAPALLPAAAYLCAPTAPPAVTA
ALGGPRWPGGHRSPRPRPDGPQPSLSPAQQHLESPVSAPEALAGGPTQAAPGVRVEEEWAREIGAQ
LRRMADDLNAQYERRRQEEQHRHRPSPWRVMYNLFMGLLPLPRDPGAPEMEPN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

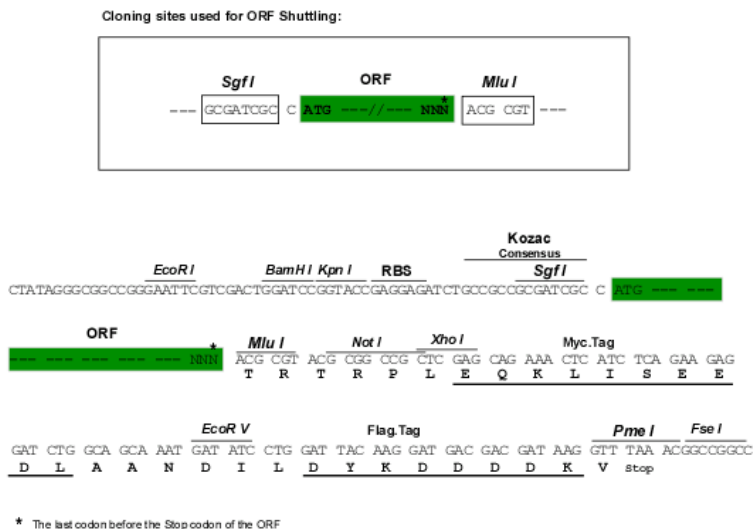


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Chromatograms: https://cdn.origene.com/chromatograms/mm9033_b10.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_133234

ORF Size: 579 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_133234.2](#), [NP_573497.1](#)

RefSeq Size: 1976 bp

RefSeq ORF: 582 bp

Locus ID: 170770

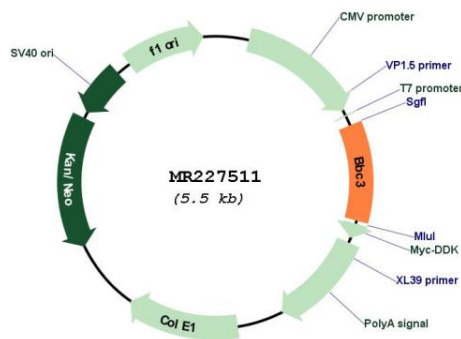
UniProt ID: [Q99ML1](#)

Cytogenetics: 7 A2

MW: 21.2 kDa

Gene Summary: Essential mediator of p53/TP53-dependent and p53/TP53-independent apoptosis. Functions by promoting partial unfolding of BCL2L1 and dissociation of BCL2L1 from p53/TP53 (By similarity). Regulates ER stress-induced neuronal apoptosis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR227511